





Test Report No.: FS150609N024

RF EXPOSURE REPORT

Applicant	Eastech Electronics (Hui Yang) Co. Ltd.
Address	Dong Fong District, Xinxu, Hui Yang, Hui Zhou, Guangdong, P.R. China

Manufacturer or Supplier	Eastech Electronics (Hui Yang) Co. Ltd.
Address	Dong Fong District, Xinxu, Hui Yang, Hui Zhou, Guangdong, P.R. China
Product	SOUND BASE
Brand Name	SANYO
Model	FWSA205E
Additional Model & Model Difference	N/A
Date of tests	Jun. 16, 2015 ~ Jun. 30, 2015

☒ FCC Part 2 (Section 2.1091)☒ KDB 447498 D03☒ IEEE C95.1**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Yuqiang Yin Project Engineer / EMC Department	Approved by Chris Chen Assistant Manager / EMC Department
	 Date: Jul. 01, 2015

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS150609N024	Original release	Jul. 01, 2015

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1. CERTIFICATION

FCC ID: 2ACGV-FWSA205E

PRODUCT: SOUND BASE

BRAND NAME: SANYO

MODEL NO.: FWSA205E

TEST SAMPLE: Engineering Sample

APPLICANT: Eastech Electronics (Hui Yang) Co. Ltd.

TESTED DATE: Jun. 30, 2015

STANDARDS: FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Total Gain (dBi)	Antenna Type
Chain 0	2.3	2.3	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	2.339	2.3	20	0.00107	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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